

Director, PIC

TCS-4080-58
25 November 1958
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THRU : Chief, Technical Intelligence Services Division
Chief, Technical Intelligence Branch

Transfer of Entire Camera Calibration Program to ACIC

1. In order to effectively transfer the responsibility for CHALICE camera calibration to ACIC they will need the following support:

- a. Training in all phases.
- b. Reduction to apparent place techniques.
- c. Star catalogues including an IBM run-off of Boss's catalogue. (We have this facility at PIC).
- d. Copy of star charts.
- e. List of references on the various mathematical reductions, particularly for lens distortion.
- f. Lens - mission number correlation.
- g. Negatives of past exposures.
- h. Dup. positives of [REDACTED] control flight, both A and B configuration. (They can order [REDACTED] control data from AMS).

2. They must be briefed on all that has occurred pertinent to camera calibration.

3. They must program formulae for their computer if they have one, or have PIC do the computing for them.

4. They will need a comparator at least 14" x 18" format. (Talking with [REDACTED] indicates that ACIC has not ordered a large comparator as of today).

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5. They must investigate interior orientation calibration equations for most practical solution for lens distortion, also investigate the reproducibility and validity of the method.

6. They must be introduced to observational techniques and personnel at the west coast and/or bases. This will also effect problems in coordination and production control.

7. Suggest that until they can take over total program that they loan us a couple of men so that at least identification and measurements of stars can proceed.

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